

PC-0037 US

<110> Lal, Preeti  
Faris, Mary  
Chen, Huei-Mei  
Ison, Craig H.

<120> STEAP-RELATED PROTEIN

<130> PC-0037 US

<140> To Be Assigned

<141> Herewith

<160> 11

<170> PERL Program

<210> 1

<211> 490

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7492448CD1

<400> 1

Met	Glu	Ser	Ile	Ser	Met	Met	Gly	Ser	Pro	Lys	Ser	Leu	Ser	Glu
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Thr	Cys	Leu	Pro	Asn	Gly	Ile	Asn	Gly	Ile	Lys	Asp	Ala	Arg	Lys
				20					25					30
Val	Thr	Val	Gly	Val	Ile	Gly	Ser	Gly	Asp	Phe	Ala	Lys	Ser	Leu
				35					40					45
Thr	Ile	Arg	Leu	Ile	Arg	Cys	Gly	Tyr	His	Val	Val	Ile	Gly	Ser
				50					55					60
Arg	Asn	Pro	Lys	Phe	Ala	Ser	Glu	Phe	Phe	Pro	His	Val	Val	Asp
				65					70					75
Val	Thr	His	His	Glu	Asp	Ala	Leu	Thr	Lys	Thr	Asn	Ile	Ile	Phe
				80					85					90
Val	Ala	Ile	His	Arg	Glu	His	Tyr	Thr	Ser	Leu	Trp	Asp	Leu	Arg
				95					100					105
His	Leu	Leu	Val	Gly	Lys	Ile	Leu	Ile	Asp	Val	Ser	Asn	Asn	Met
				110					115					120
Arg	Ile	Asn	Gln	Tyr	Pro	Glu	Ser	Asn	Ala	Glu	Tyr	Leu	Ala	Ser
				125					130					135
Leu	Phe	Pro	Asp	Ser	Leu	Ile	Val	Lys	Gly	Phe	Asn	Val	Val	Ser
				140					145					150
Ala	Trp	Ala	Leu	Gln	Leu	Gly	Pro	Lys	Asp	Ala	Ser	Arg	Gln	Val
				155					160					165
Tyr	Ile	Cys	Ser	Asn	Asn	Ile	Gln	Ala	Arg	Gln	Gln	Val	Ile	Glu
				170					175					180
Leu	Ala	Arg	Gln	Leu	Asn	Phe	Ile	Pro	Ile	Asp	Leu	Gly	Ser	Leu
				185					190					195
Ser	Ser	Ala	Arg	Glu	Ile	Glu	Asn	Leu	Pro	Leu	Arg	Leu	Phe	Thr
				200					205					210
Leu	Trp	Arg	Gly	Pro	Val	Val	Val	Ala	Ile	Ser	Leu	Ala	Thr	Phe
				215					220					225

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Phe Phe Leu Tyr Ser Phe Val Arg Asp Val Ile His Pro Tyr Ala  
230 235 240  
Arg Asn Gln Gln Ser Asp Phe Tyr Lys Ile Pro Ile Glu Ile Val  
245 250 255  
Asn Lys Thr Leu Pro Ile Val Ala Ile Thr Leu Leu Ser Leu Val  
260 265 270  
Tyr Leu Ala Gly Leu Leu Ala Ala Ala Tyr Gln Leu Tyr Tyr Gly  
275 280 285  
Thr Lys Tyr Arg Arg Phe Pro Pro Trp Leu Glu Thr Trp Leu Gln  
290 295 300  
Cys Arg Lys Gln Leu Gly Leu Leu Ser Phe Phe Phe Ala Met Val  
305 310 315  
His Val Ala Tyr Ser Leu Cys Leu Pro Met Arg Arg Ser Glu Arg  
320 325 330  
Tyr Leu Phe Leu Asn Met Ala Tyr Gln Gln Val His Ala Asn Ile  
335 340 345  
Glu Asn Ser Trp Asn Glu Glu Glu Val Trp Arg Ile Glu Met Tyr  
350 355 360  
Ile Ser Phe Gly Ile Met Ser Leu Gly Leu Leu Ser Leu Leu Ala  
365 370 375  
Val Thr Ser Ile Pro Ser Val Ser Asn Ala Leu Asn Trp Arg Glu  
380 385 390  
Phe Ser Phe Ile Gln Ser Thr Leu Gly Tyr Val Ala Leu Leu Ile  
395 400 405  
Ser Thr Phe His Val Leu Ile Tyr Gly Trp Lys Arg Ala Phe Glu  
410 415 420  
Glu Glu Tyr Tyr Arg Phe Tyr Thr Pro Pro Asn Phe Val Leu Ala  
425 430 435  
Leu Val Leu Pro Ser Ile Val Ile Leu Gly Lys Ile Ile Leu Phe  
440 445 450  
Leu Pro Cys Ile Ser Arg Lys Leu Lys Arg Ile Lys Lys Gly Trp  
455 460 465  
Glu Lys Ser Gln Phe Leu Glu Glu Gly Ile Gly Gly Thr Ile Pro  
470 475 480  
His Val Ser Pro Glu Arg Val Thr Val Met  
485 490

<210> 2

<211> 1891

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7492448CB1

<400> 2

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ctgcaaggct cgcccctgcc cggcgtggag ggcgcggggg gcgcggagaa agtgaagaga 180  
ggaaattgga aaattgtgag tggaccttct gatactgctc ctccttgctg ggaaaagggg 240  
aaagaactgc atgcatatta ttcagcgtcc tatattcaaa ggatattctt ggtgatcttg 300  
gaagtgtccg tatcatggaa tcaatctcta tgatgggaag ccctaagagc cttagtga 360  
cttgtttacc taatggcata aatggtatca aagatgcaag gaaggtcact gtaggtgtga 420  
ttggaagtgg agattttgcc aaatccttga ccattcgact tattagatgc ggctatcatg 480  
tggtcatagg aagtagaaat cctaagtttg cttctgaatt ttttcctcat gtggtagatg 540

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```
tcaactcatca tgaagatgct ctcacaaaaa caaatataat atttggtgct atacacagag 600
aacattatac ctccctgtgg gacctgagac atctgcttgt gggtaaaatc ctgattgatg 660
tgagcaataa catgaggata aaccagtacc cagaatccaa tgctgaatat ttggcttcat 720
tattcccaga ttctttgatt gtcaaaggat ttaatgttgt ctcagcttgg gcacttcagt 780
taggacctaa ggatgccagc cggcagggtt atatatgcag caacaatatt caagcgcgac 840
aacaggttat tgaacttgcc cgccagttga atttcattcc cattgacttg ggatccttat 900
catcagccag agagattgaa aatttaccct tacgactctt tactctctgg agagggccag 960
tgggtggtagc tataagcttg gccacatttt ttttccttta ttcccttgtc agagatgtga 1020
ttcatccata tgctagaaac caacagagtg acttttacia aattcctata gagattgtga 1080
ataaaacctt acctatagtt gccattactt tgctctccct agtatacctc gcaggctctc 1140
tggcagctgc ttatcaactt tattacggca ccaagtatag gagatttcca ccttggttgg 1200
aaacctgggt acagtgtaga aaacagcttg gattactaag ttttttcttc gctatggtcc 1260
atggttgcta cagcctctgc ttaccgatga gaaggtcaga gagatatttg tttctcaaca 1320
tggcttatca gcaggttcat gcaaatattg aaaactcttg gaatgaggaa gaagtttga 1380
gaattgaaat gtatatctcc tttggcataa tgagccttgg cttactttcc ctctggcag 1440
tcaacttctat ccttccagtg agcaatgctt taaactggag agaattcagt tttattcagt 1500
ctacacttgg atatgtcgct ctgctcataa gtactttcca tgttttaatt tatggatgga 1560
aacgagcttt tgaggaagag tactacagat tttatacacc accaaacttt gttcttgctc 1620
ttgttttgcc ctcaattgta attctgggta agattatttt attccttcca tgtataagcc 1680
gaaagctaaa acgaattaaa aaaggctggg aaaagagcca atttctggaa gaaggtattg 1740
gaggaacaat tcctcatgtc tccccggaga gggtcacagt aatgtgatga taaatggtgt 1800
tcacagctgc catataaagt tctactcatg ccattatttt tatgacttct acgttcagtt 1860
acaagtatgc tgtcaaatta tcgtgggttg a 1891
```

<210> 3  
<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7100809H1

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<400> 3
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cagtccttag gccctggccc cgggtggggc ccttggggag tcggcgccgc tcccaggagg 120
ctgcaaggct cgcctctgcc cggcgtggag ggcgcggggg gcgcggagaa agtgaagaga 180
ggaaattgga aaattgtgag tggaccttct gatactgctc ctcttgcgt ggaaaagggg 240
aaagaactgc atgcatatta ttcagcgtcc tatattcaaa ggatattctt ggtgatcttg 300
gaagtgtccg tatcatggaa tcaatctcta tgatgggaag ccctaagagc cttagtga 360
cttgtttacc taatggcata aatggtatca aagatgcaag gaaggtcact gtaggtgtga 420
ttggaagtgg agattttgcc aaatccttga ccattcgact tattagatgc ggctatcatg 480
tggcataggg aagtagaaat cctaagttgg cttctga 517
```

<210> 4  
<211> 493  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 6912820J1

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<400> 4
ggctcactgta ggtgtgattg gaagtggaga ttttgccaaa tccttgacca ttcgacttat 60
tagatgcggc tatcatgtgg tcataggaag tagaaatcct aagtttgctt ctgaattttt 120
```

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```
tcctcatgtg gtagatgtca ctcatcatga agatgctctc acaaaaacaa atataatatt 180
tgttgctata cacagagAAC attataacct cctgtgggac ctgagacatc tgcttgtggg 240
taaaatcctg attgatgtga gcaataacat gaggataaac cagtaccag aatccaatgc 300
tgaatatttg gcttcattat tcccagattc tttgattgtc aaaggattta atgttgtctc 360
agcttgggca cttcagttag gacctaaagga tgccagccgg caggtttata tatgcagcaa 420
caatattcaa gcgcgacaac aggttattga acttgccgcg cagttgaatt tcattcccat 480
tgacttggga tcc 493
```

<210> 5  
<211> 403  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 4647117F6

<220>  
<221> unsure  
<222> 316, 321, 339  
<223> a, t, c, g, or other

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<400> 5
cccagattct ttgattgtca aaggatttaa tgttgtctca gcttgggcac ttcagttagg 60
acctaaggat gccagccggc aggtttatat atgcagcaac aatattcaag cgcgacaaca 120
ggttattgaa cttgcccggc agttgaattt cattcccatt gacttgggat ccttatcatc 180
agccagagag attgaaaatt taccctacg actctttact ctctggagag ggccagtggg 240
ggtagctata agcttggcca cttttttttt cttttattcc tttgtcagag atgtgattca 300
tccatatgct agaaanacac ngagtgactt ttacaaacnt tctatagaga ttgtgaataa 360
aaccttacct atagttgcca ttactttgct cccctagta tac 403
```

<210> 6  
<211> 560  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7004364H1

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<400> 6
acattttttt tccttgatgc ctttgtcaga gatgtgattc atccatatgc tagaaaccaa 60
cagagtgact tttacaaaat tcctatagag attgtgaata aaaccttacc tatagttgcc 120
attactttgc tctccctagt atacctcgca ggtcttctgg cagctgctta tcaactttat 180
tacggcacca agtataggag atttccacct tgggtggaaa cctgggtaca gtgtagaaaa 240
cagcttggat tactaagttt tatcttcgct atgggtccatg ttgcctacag cctctgctta 300
ccgatgagaa ggtcagagag atatttggtt ctcaacatgg cttatcagca ggttcattgca 360
aatattgaaa actcttggaa tgaggaagaa gtttggagaa ttgaaatgta tatctccttt 420
ggcataatga gccttggcct actttccctc ctggcagtc cttctatccc ttcagtgagc 480
aatgctttta actggagaga attcagtttt attcagtcct cacttggata tgtcgcctctg 540
ctcataagta ctttccatgt 560
```

<210> 7  
<211> 265  
<212> DNA  
<213> Homo sapiens

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<220>

<221> misc\_feature

<223> Incyte ID No: 70351677D1

<400> 7

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ctcagtctgg gtatctgcaa actgcaaaaag atccagaatt acaattgagg gcaaaacaag 60
agcaagaaca aagtttggtg gtgtataaaa tctgtagtag tcttcctcaa aagctcggtt 120
ccatccataa attaaaacat ggaaagtact tatgagcaga gcgacatatc caagtgtaga 180
ctgaataaaa ctgaattctc tccagtttaa agcattgctc actgaaggga tagaagtgac 240
tgccaggagg gaaagtaagc caagg                                     265
```

<210> 8

<211> 204

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 4108079H1

<220>

<221> unsure

<222> 45, 83, 132

<223> a, t, c, g, or other

<400> 8

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cagagtttat acaccaccaa actttgttct tgctcgtggt ttgcnctcag gtgtaattct 60
ggggaagatt gttttattcc ttngtgtata aggcgaaagc taaaacgaat taagaaaggg 120
tggggaaaga gnccgatttc tggaagaagg tctggggaggg acaattcgca tgtcgccccg 180
gagaggggtca cagtaatggg atga                                     204
```

<210> 9

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 4669848H1

<400> 9

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ccggagaggg tcacagtaat gtgatgataa atgggtgttca cagctgccat ataaagttct 60
actcatgcca ttatttttat gacttctacg ttcagttaca agtatgctgt caaattatcg 120
tggttgtaaa cttgttaaag gagatttcaa ctgacttagt gatagagttt tcttcaagtt 180
aattttcaca aatgtcatgt ttgccaatat gaatttttct agtcaacata ttattgtaat 240
ttaggtatgt tttgttttgt tttgc                                     265
```

<210> 10

<211> 525

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<223> Incyte ID No: 702819778T1

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<400> 10

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cttcatgggtg ggtgacgtct accacatgag gaaaaaactc agacgcgaac ttaggatttc 120
tgcttccgat gaccacgtga tagccgcacc tgataagccg aatggtcaga gacttggcaa 180
aatccccact tcctatcacc cccacgggtga ccttccttgc gtctttgata ccgtttatgc 240
cattaggcaa aaacgtctcc aggggtcttag ggcttcccat catagagatg gattccatgg 300
tagagactct tctaagatca ccaggaatgc cctgggaatc ttaaggtgta gcttctcact 360
cagaggagct ggagggaggc tccttcggcg ctgctggact ctggaactgc ctacgtgtag 420
tgaggagggc ctccgcgcc tcctctcccg gccacggtcg cagcgccgcg ccgtggctcc 480
ctcgcgccaa gggcccgcg agctcccggg cctacggagt gctcc 525
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<210> 11

<211> 339

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: g6572948

<400> 11

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Met Glu Ser Arg Lys Asp Ile Thr Asn Gln Glu Glu Leu Trp Lys
 1          5          10          15
Met Lys Pro Arg Arg Asn Leu Glu Glu Asp Tyr Leu His Lys
          20          25          30
Asp Thr Gly Glu Thr Ser Met Leu Lys Arg Pro Val Leu Leu His
          35          40          45
Leu His Gln Thr Ala His Ala Asp Glu Phe Asp Cys Pro Ser Glu
          50          55          60
Leu Gln His Thr Gln Glu Leu Phe Pro Gln Trp His Leu Pro Ile
          65          70          75
Lys Ile Ala Ala Ile Ile Ala Ser Leu Thr Phe Leu Tyr Thr Leu
          80          85          90
Leu Arg Glu Val Ile His Pro Leu Ala Thr Ser His Gln Gln Tyr
          95          100          105
Phe Tyr Lys Ile Pro Ile Leu Val Ile Asn Lys Val Leu Pro Met
          110          115          120
Val Ser Ile Thr Leu Leu Ala Leu Val Tyr Leu Pro Gly Val Ile
          125          130          135
Ala Ala Ile Val Gln Leu His Asn Gly Thr Lys Tyr Lys Lys Phe
          140          145          150
Pro His Trp Leu Asp Lys Trp Met Leu Thr Arg Lys Gln Phe Gly
          155          160          165
Leu Leu Ser Phe Phe Phe Ala Val Leu His Ala Ile Tyr Ser Leu
          170          175          180
Ser Tyr Pro Met Arg Arg Ser Tyr Arg Tyr Lys Leu Leu Asn Trp
          185          190          195
Ala Tyr Gln Gln Val Gln Gln Asn Lys Glu Asp Ala Trp Ile Glu
          200          205          210
His Asp Val Trp Arg Met Glu Ile Tyr Val Ser Leu Gly Ile Val
          215          220          225
Gly Leu Ala Ile Leu Ala Leu Leu Ala Val Thr Ser Ile Pro Ser
          230          235          240
Val Ser Asp Ser Leu Thr Trp Arg Glu Phe His Tyr Ile Gln Ser
          245          250          255
Lys Leu Gly Ile Val Ser Leu Leu Leu Gly Thr Ile His Ala Leu
```

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Ile	Phe	Ala	Trp	Asn	Lys	Trp	Ile	Asp	Ile	Lys	Gln	Phe	Val	Trp
				260					265					270
Tyr	Thr	Pro	Pro	Thr	Phe	Met	Ile	Ala	Val	Phe	Leu	Pro	Ile	Val
				275					280					285
Val	Leu	Ile	Phe	Lys	Ser	Ile	Leu	Phe	Leu	Pro	Cys	Leu	Arg	Lys
				290					295					300
Lys	Ile	Leu	Lys	Ile	Arg	His	Gly	Trp	Glu	Asp	Val	Thr	Lys	Ile
				305					310					315
Asn	Lys	Thr	Glu	Ile	Cys	Ser	Gln	Leu	Glu	Asp	Val	Thr	Lys	Ile
				320					325					330
				335										